

Figure 1A



ATGGAGACAGACACACTCCTGCTATGGGTACTGCTGCTCTGG 42
M E T D T L L L W V L L L W
GTTCCAGGTTCCACTGGTGACGCGGCCCATACTCATCAGGAC 84
V P G S T G D A A H T H Q D
TTTCAGCCAGTGCTCCACCTGGTGGCACTGAACACCCCCCTG 126
F Q P V L H L V A L N T P L
TCTGGAGGCATGCGTGGTATCCGTGGAGCAGATTTCCAGTGC 168
S G G M R G I R G A D F Q C
TTCCAGCAAGCCCCGAGCCGTGGGGCTGTCGGGGCACCTTCCGG 210
F Q Q A R A V G L S G T F R
GCTTTCCTGTCCTCTAGGCTGCAGGATCTCTATAGCATCGTG 252
A F L S S R L Q D L Y S I V
CGCCGTGCTGACCGGGGGTCTGTGCCCCATCGTCAACCTGAAG 294
R R A D R G S V P I V N L K
GACGAGGTGCTATCTCCCAGCTGGGACTCCCTGTTTTCTGGC 336
D E V L S P S W D S L F S G
TCCCAGGGTCAAGTGCAACCCGGGGCCCGCATCTTTTCTTTT 378
S Q G Q V Q P G A R I F S F
GACGGCAGAGATGTCCTGAGACACCCAGCCTGGCCGCAGAAG 420
D G R D V L R H P A W P Q K
AGCGTATGGCACGGCTCGGACCCCAGTGGGCGGAGGCTGATG 462
S V W H G S D P S G R R L M
GAGAGTTACTGTGAGACATGGCGAACTGAAACTACTGGGGCT 504
E S Y C E T W R T E T T G A
ACAGGTCAGGCCTCCTCCCTGCTGTCAGGCAGGCTCCTGGAA 546
T G Q A S S L L S G R L L E
CAGAAAGCTGCGAGCTGCCACAACAGCTACATCGTCCTGTGC 588
Q K A A S C H N S Y I V L C
ATTGAGAATAGCTTCATGACCTCTTTCTCCAAATAG 624
I E N S F M T S F S K .

Figure 1B

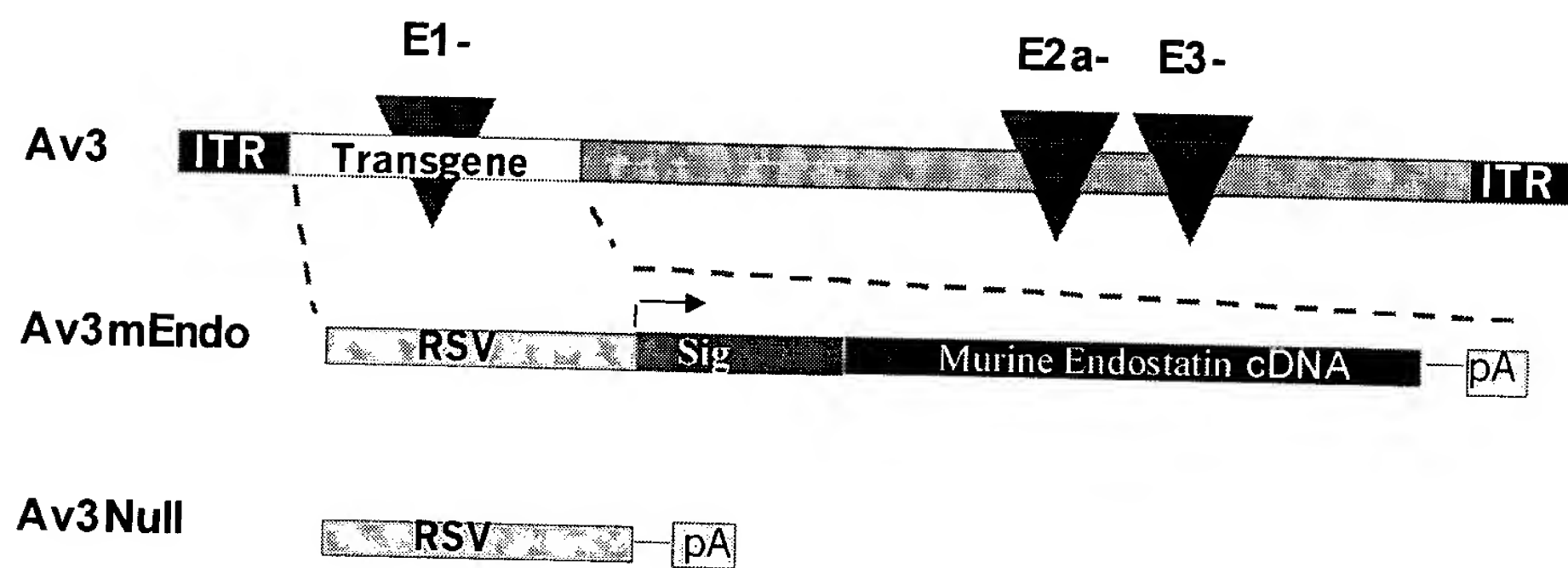
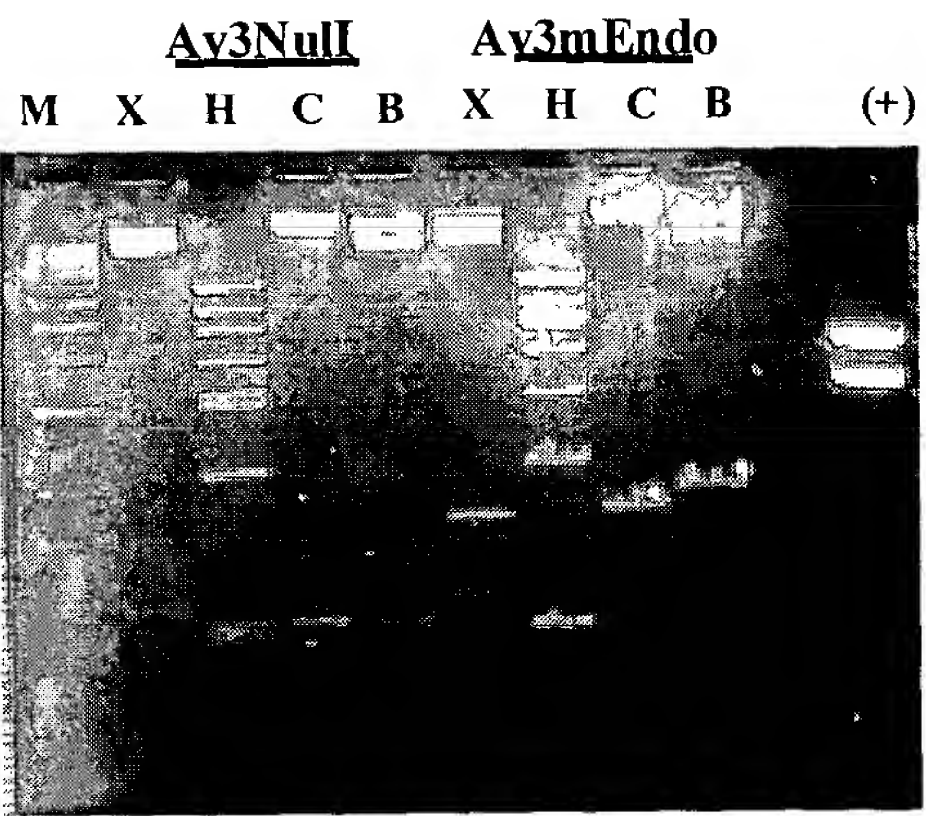


Figure 2



A.



B.

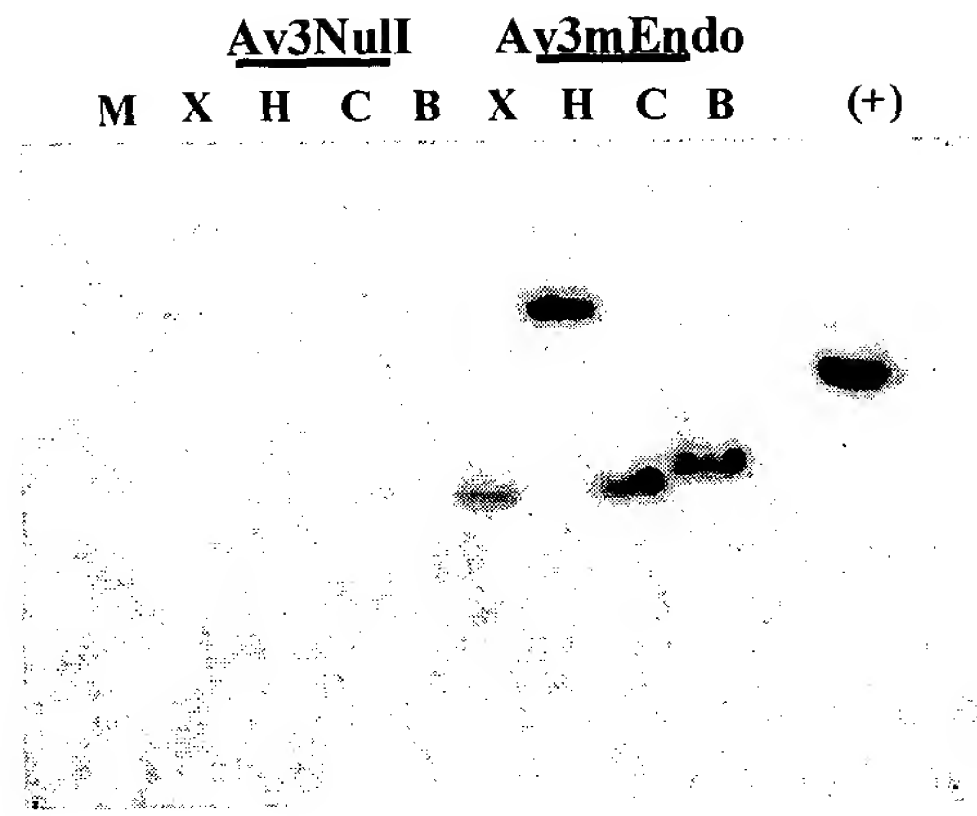


Figure 3

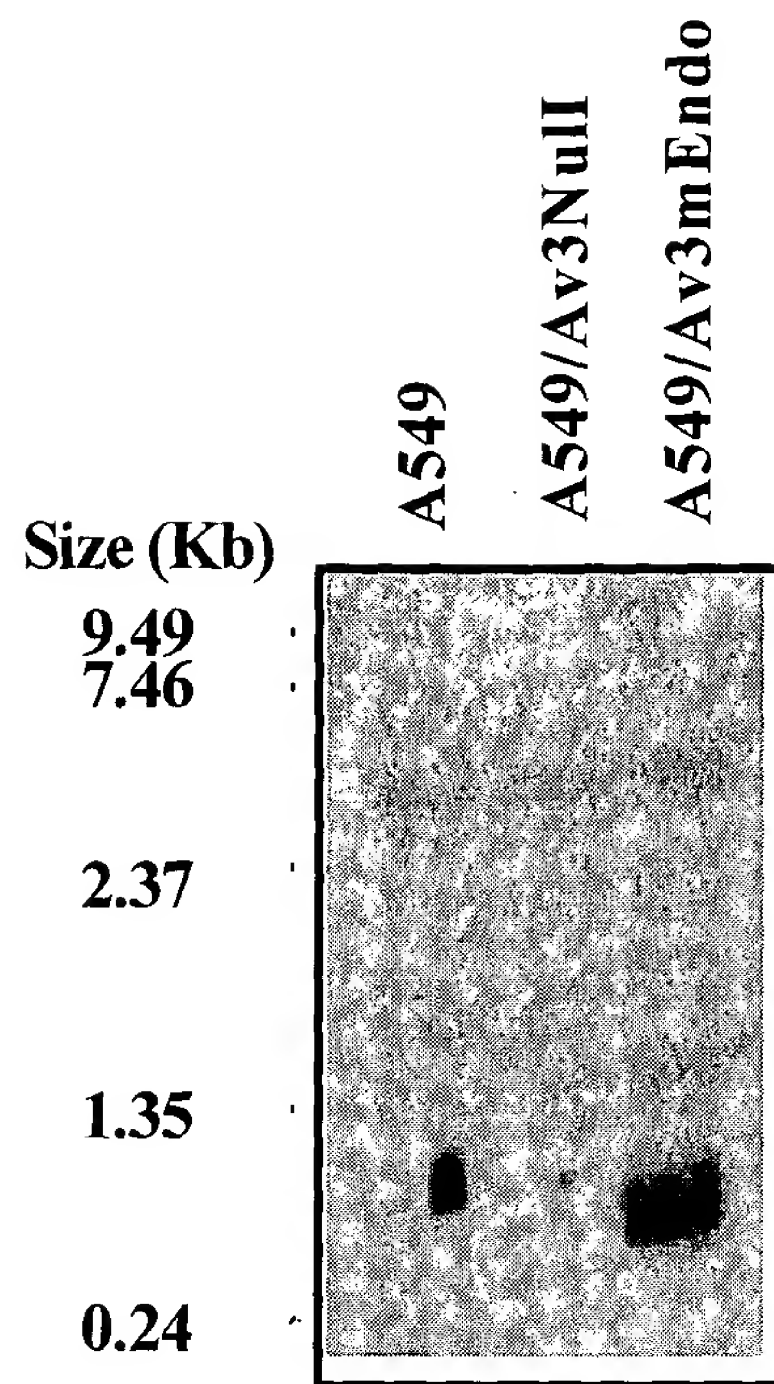


Figure 4

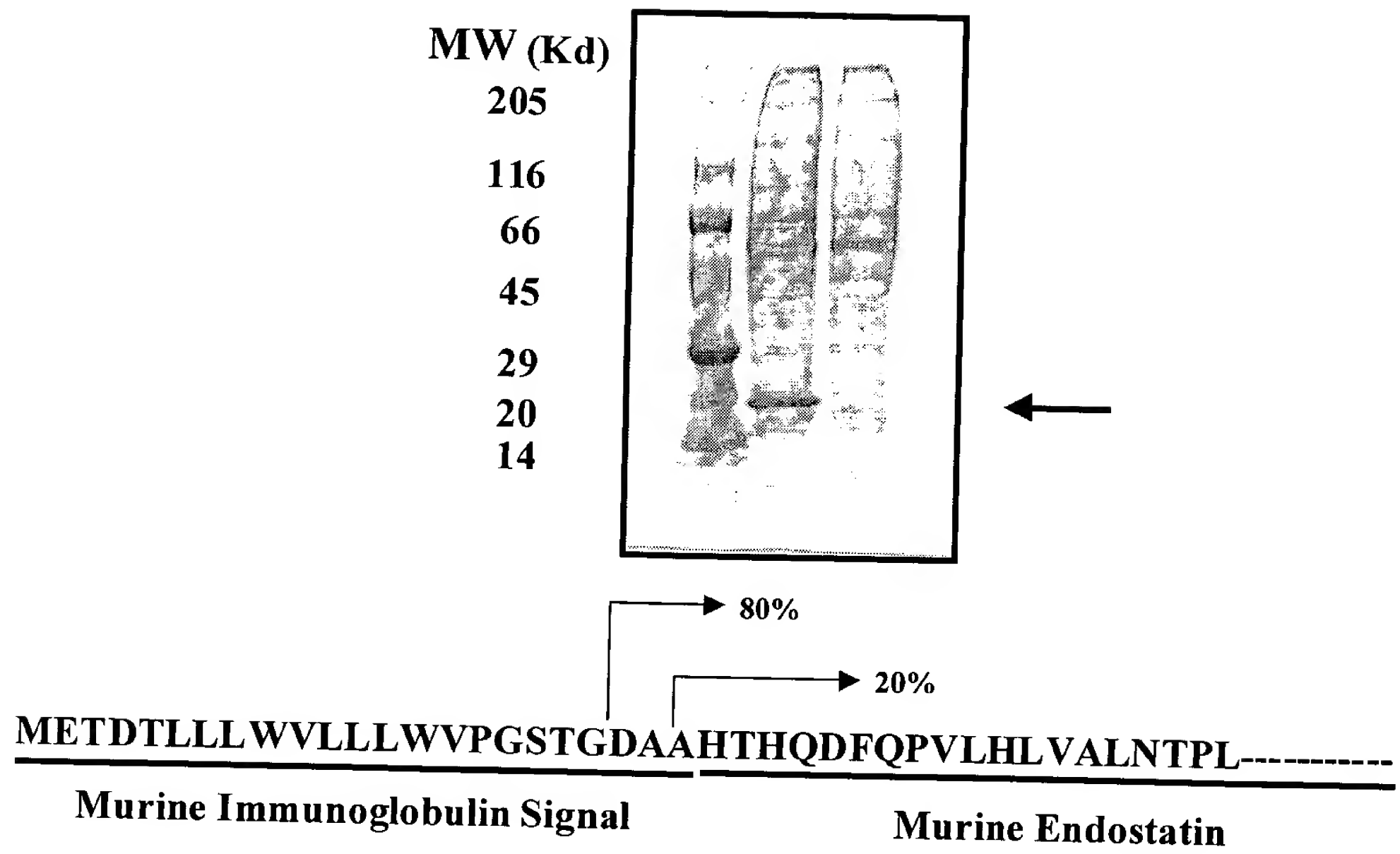


Figure 5

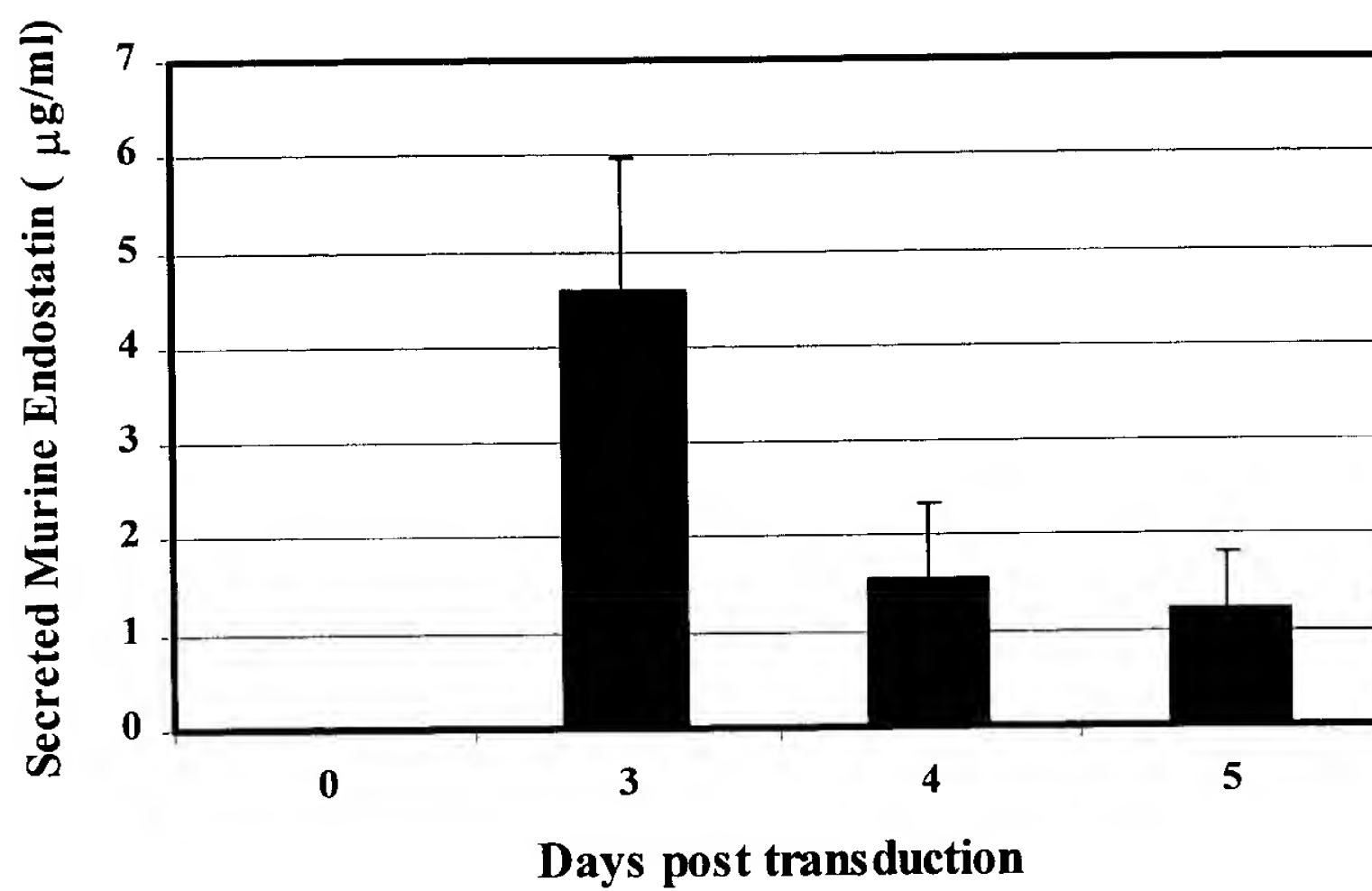


Figure 6



VEGF165 Induced HUVEC Migration

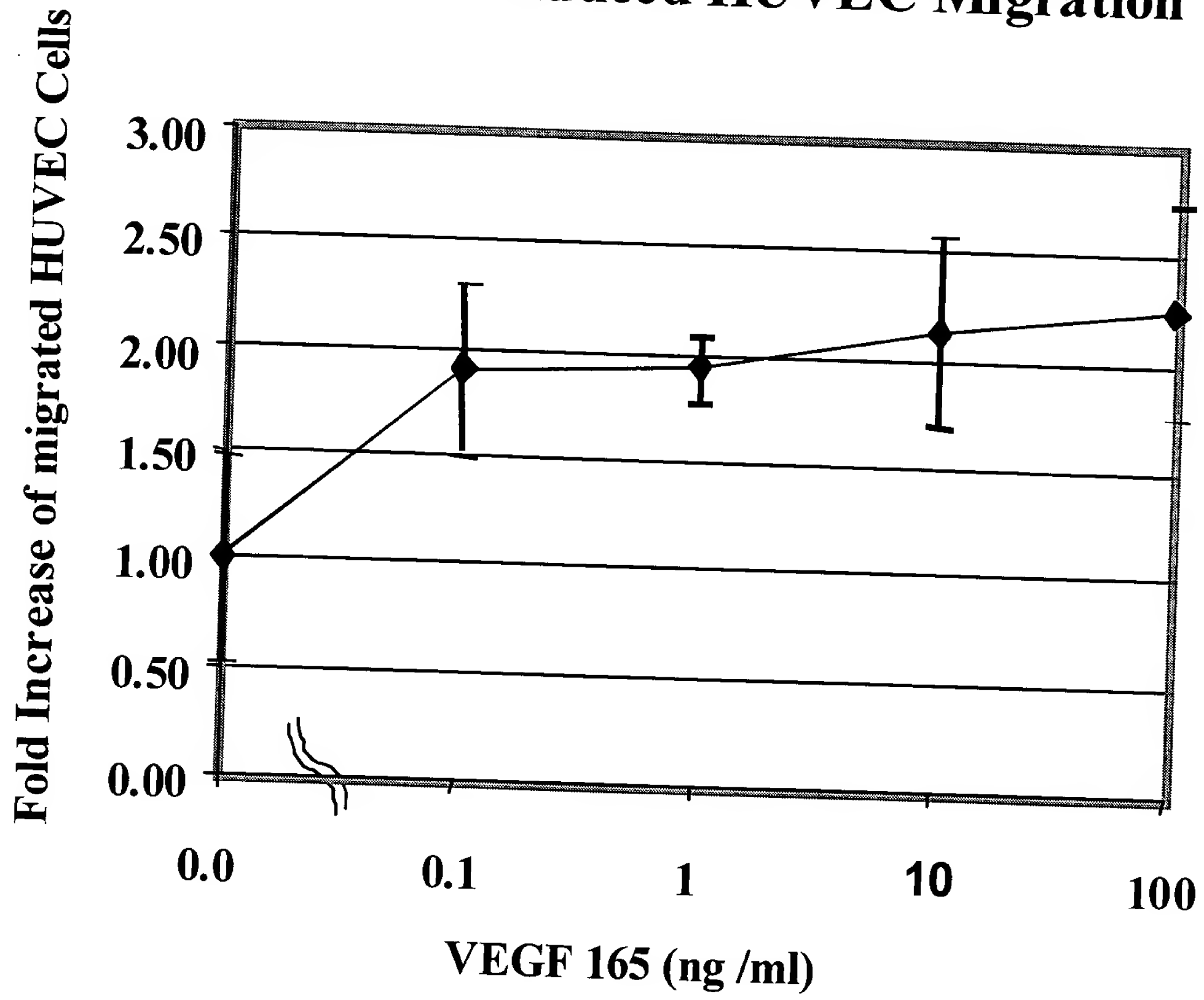


Figure 7A



mEndo from Av3mEndo transduced S8

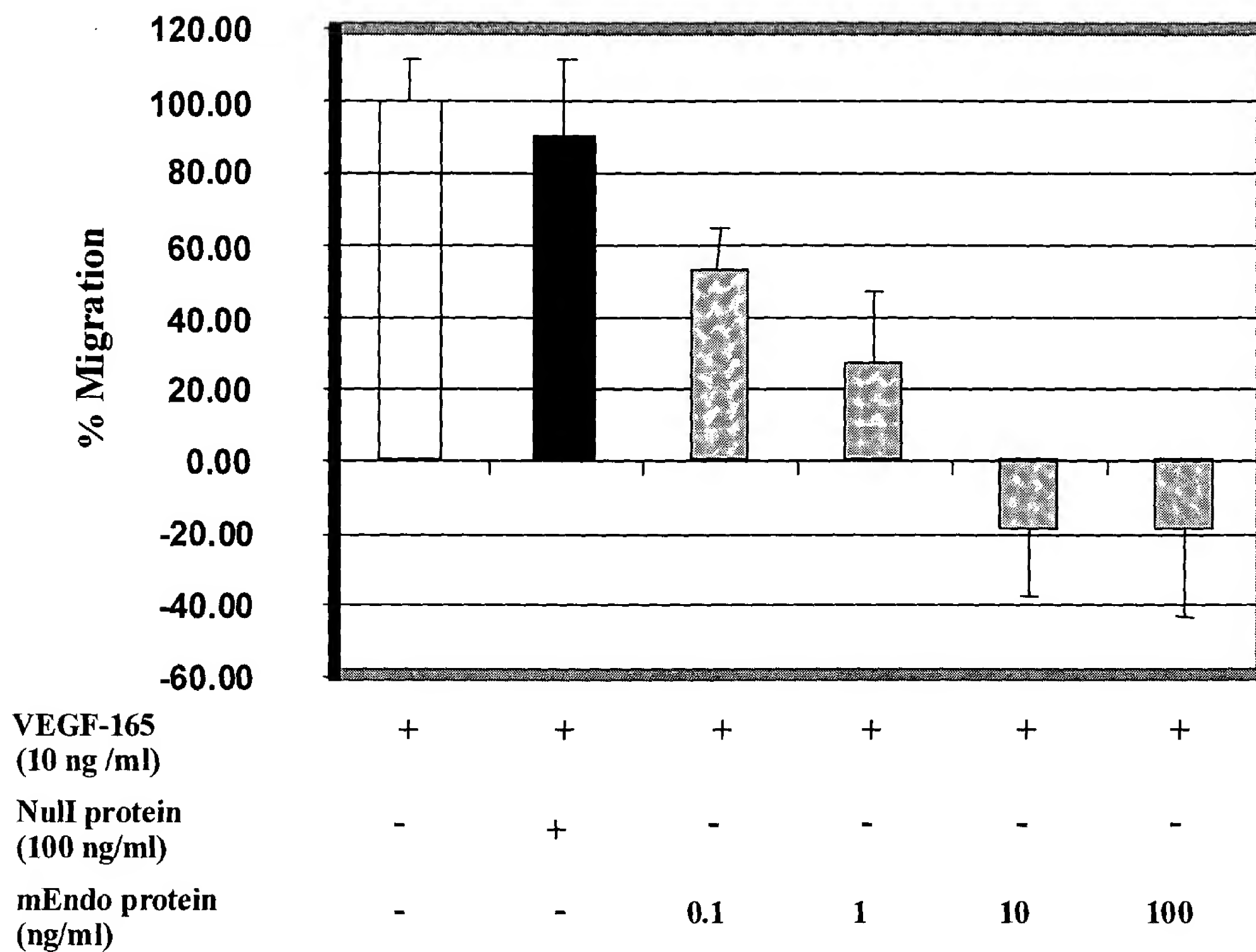


Figure 7B



mEndo from Av3mEndo transduced Hep3B

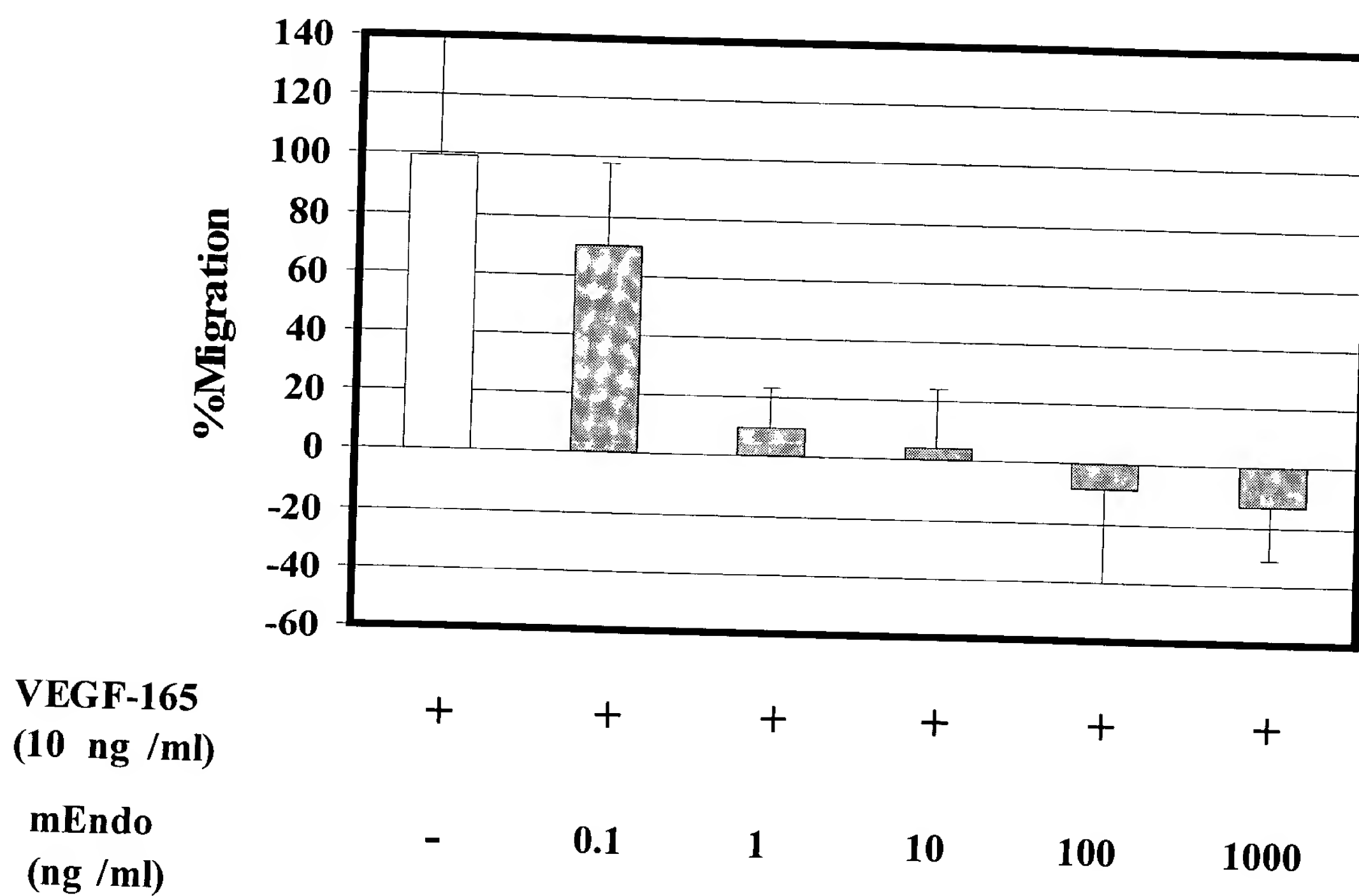


Figure 7C

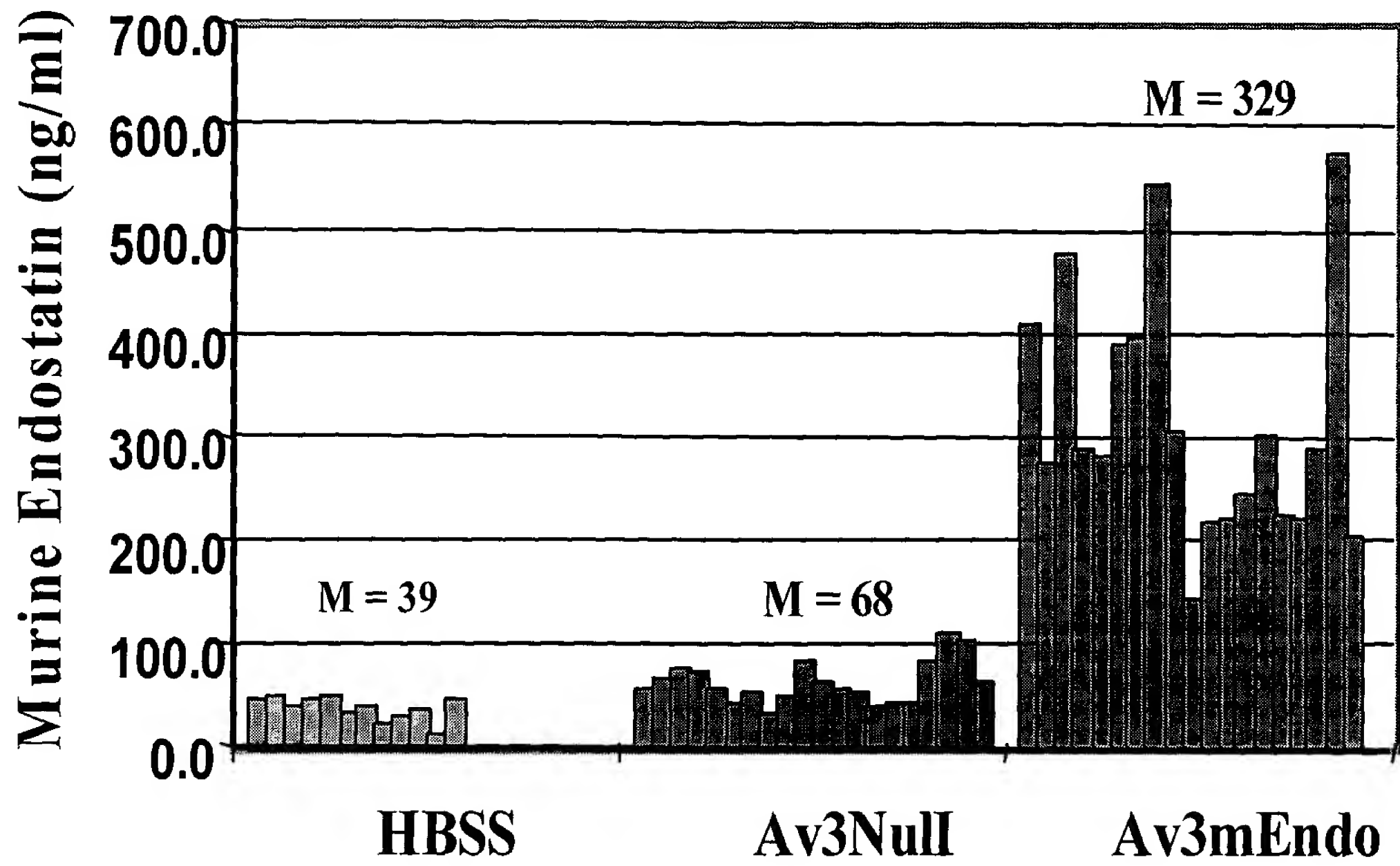


Figure 8A

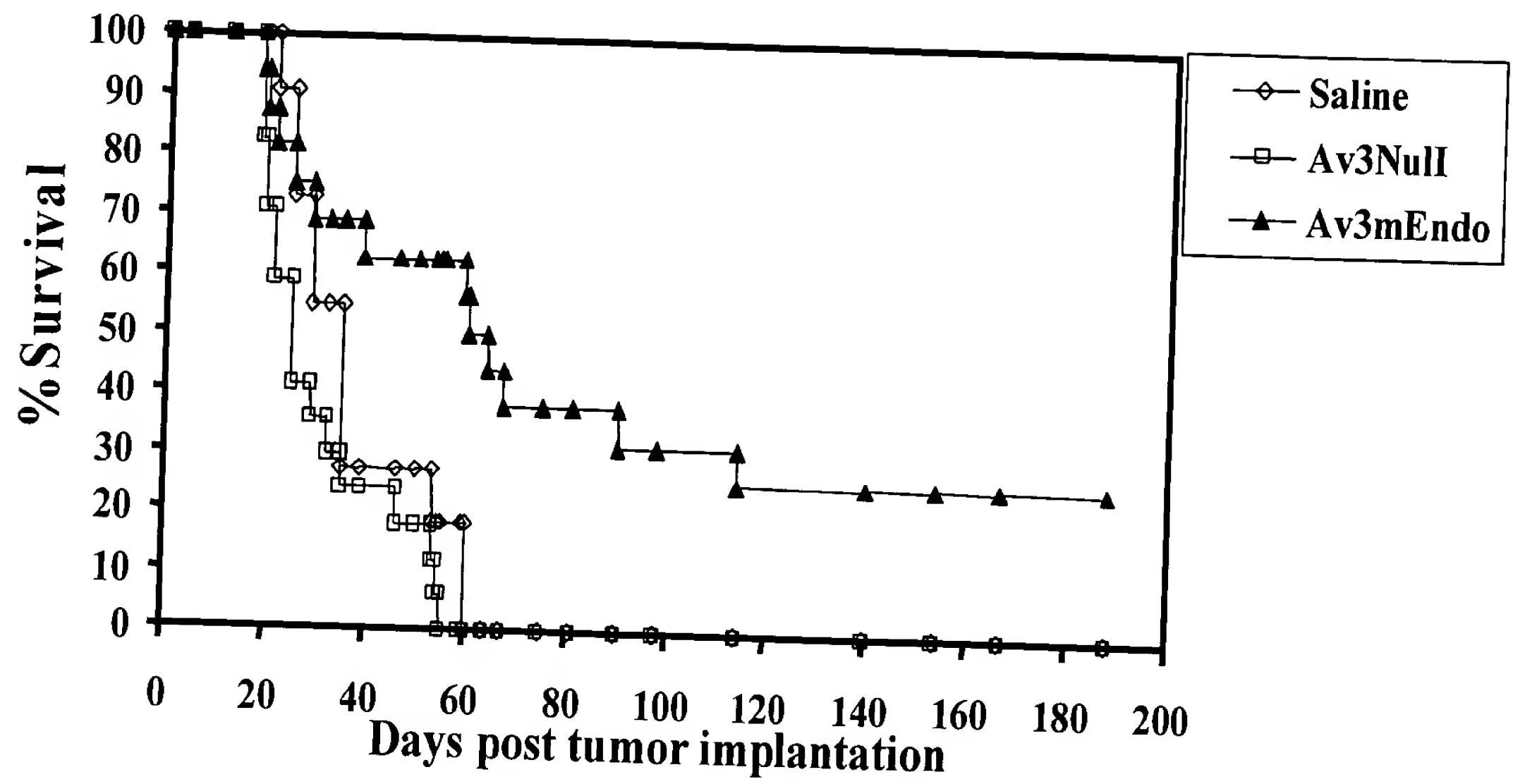


Figure 8B



Coorelation of Survival and Blood Endostatin

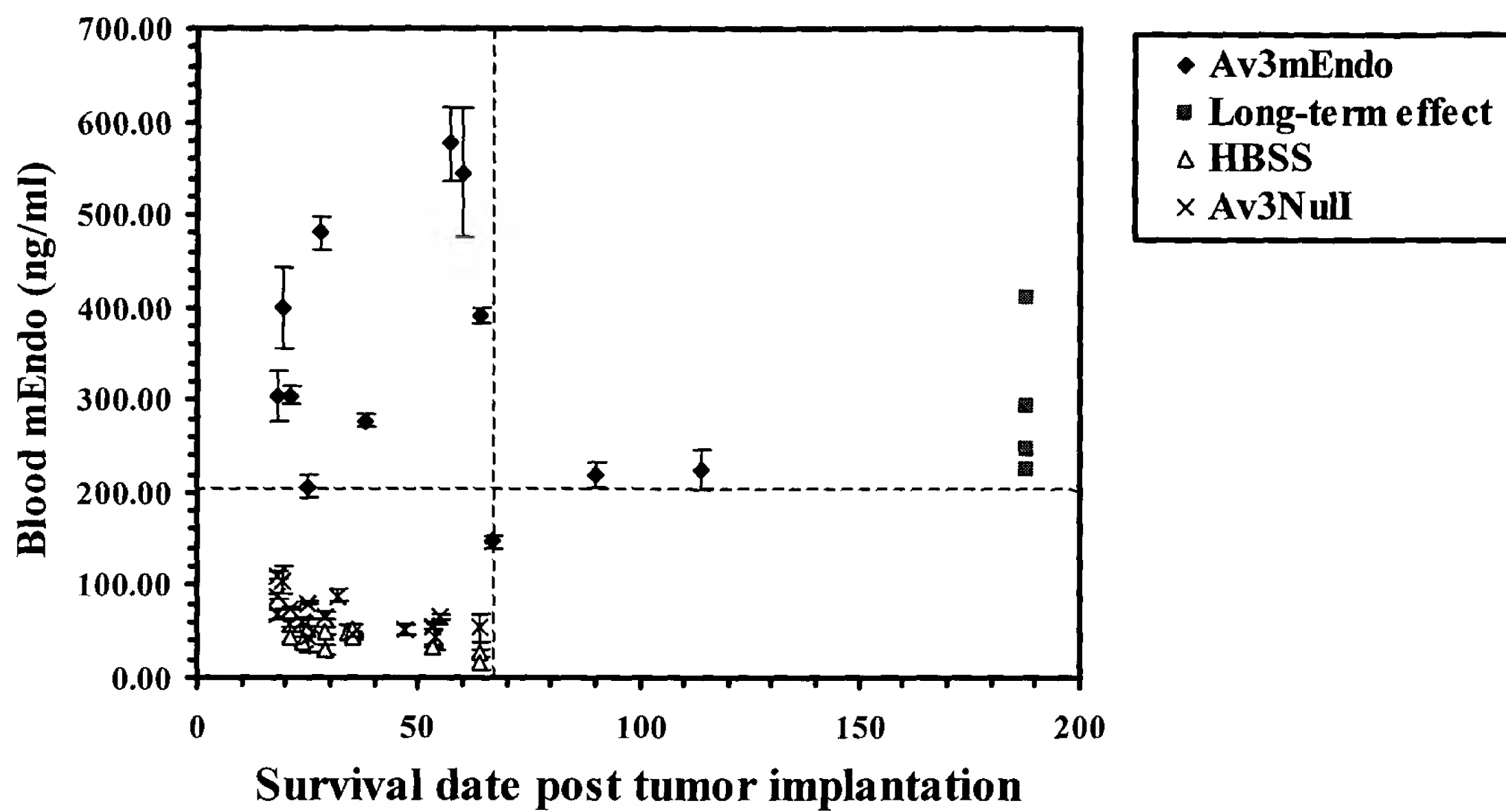


Figure 8C



Comparison of blood mEndo and Liver Transduction

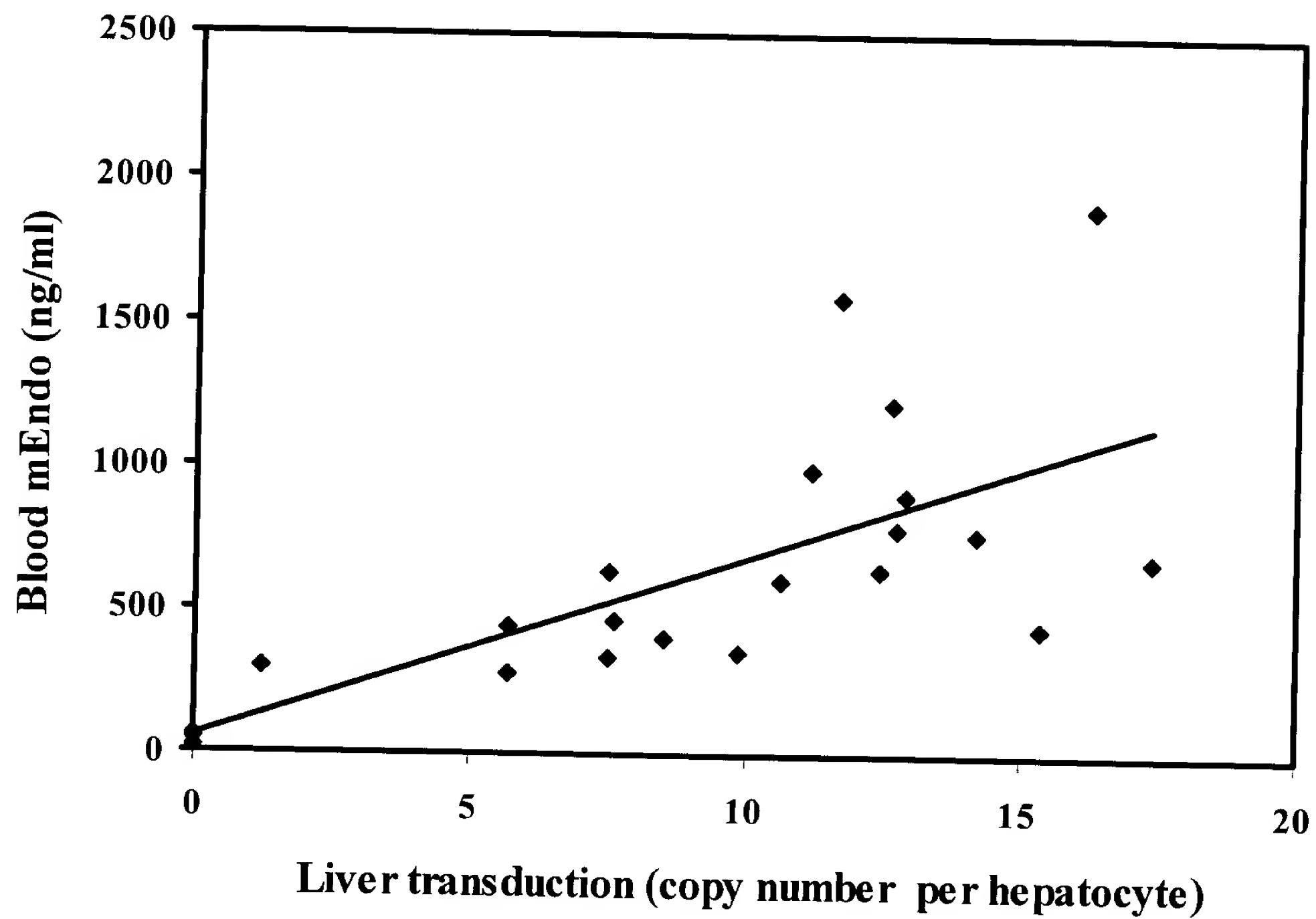


Figure 9



	# per group
HBSS	6
Av3Null	10
Av3mEndo	10

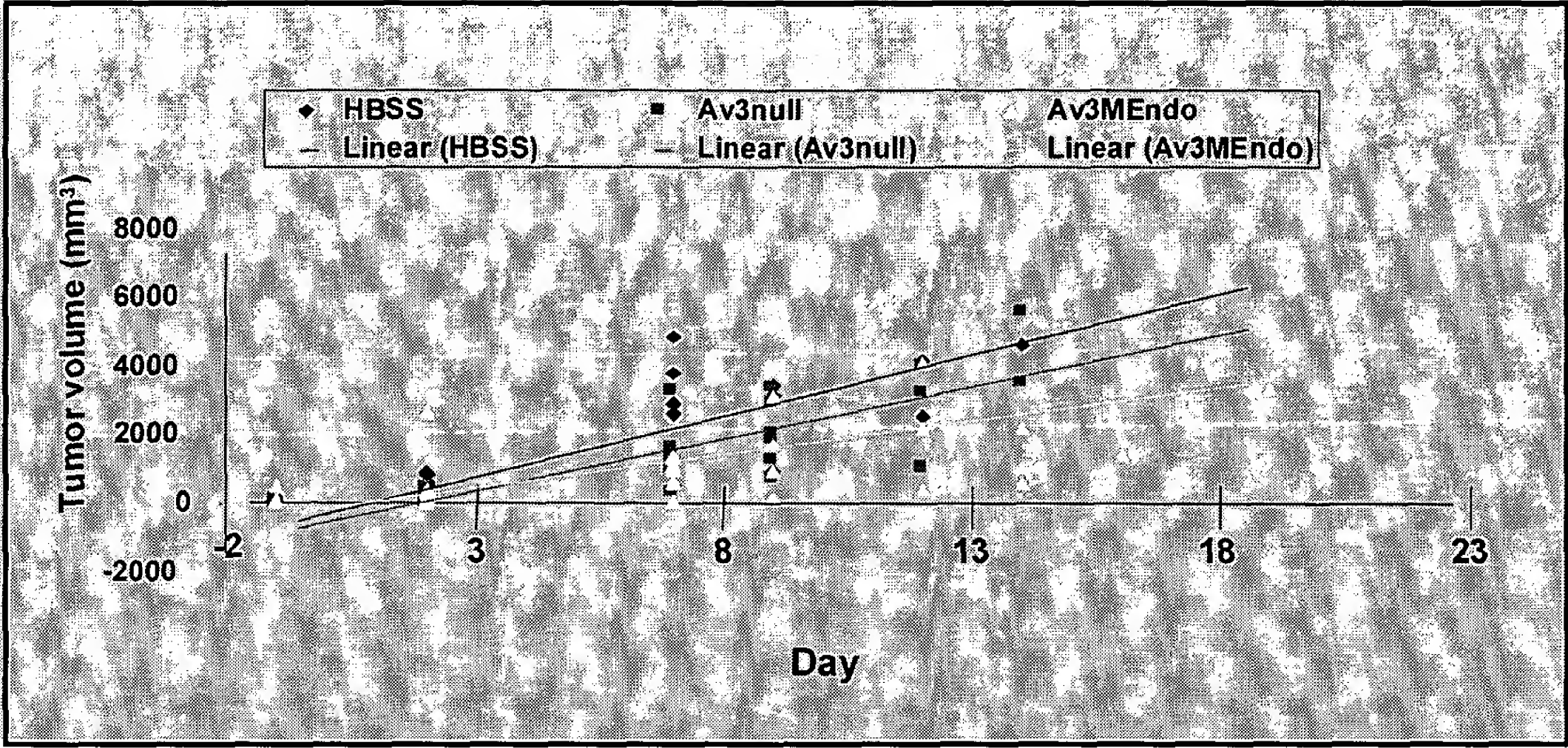


Figure 10A

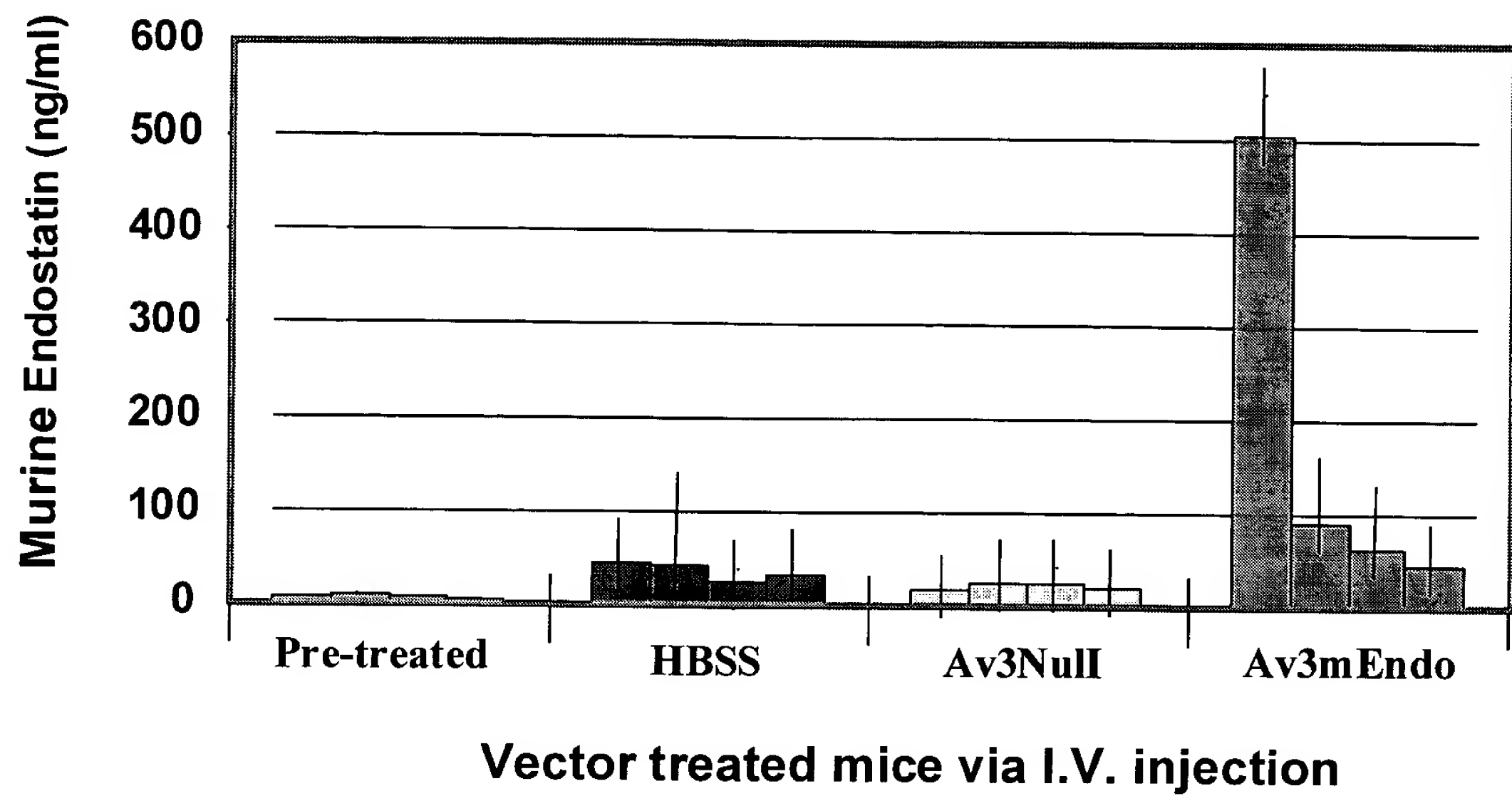


Figure 10B



**In vivo kinetics of Nude Mice: Tail Vein Injection of
Av3mEndo at 2E+11 particles per mouse**

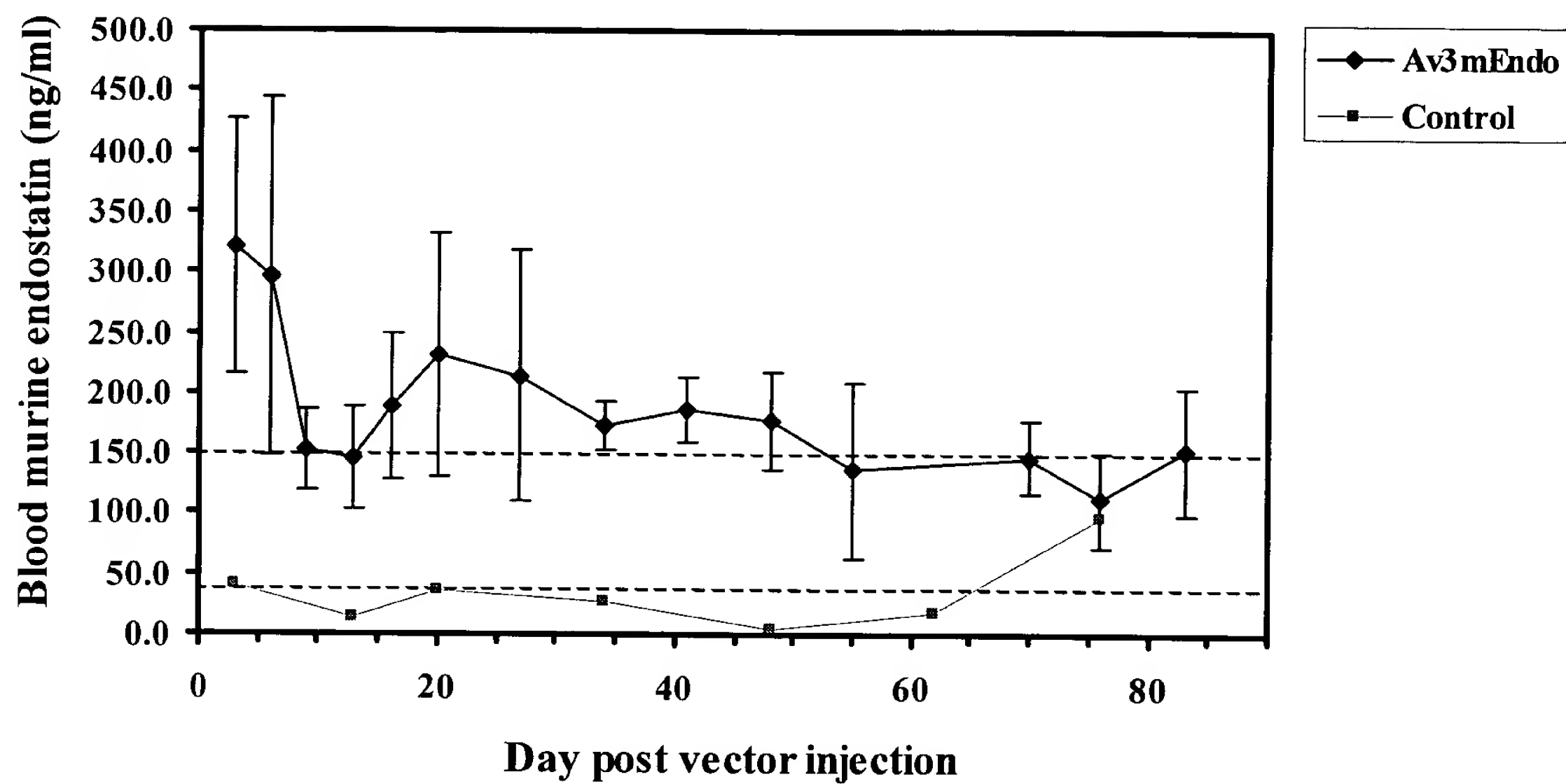


Figure 11

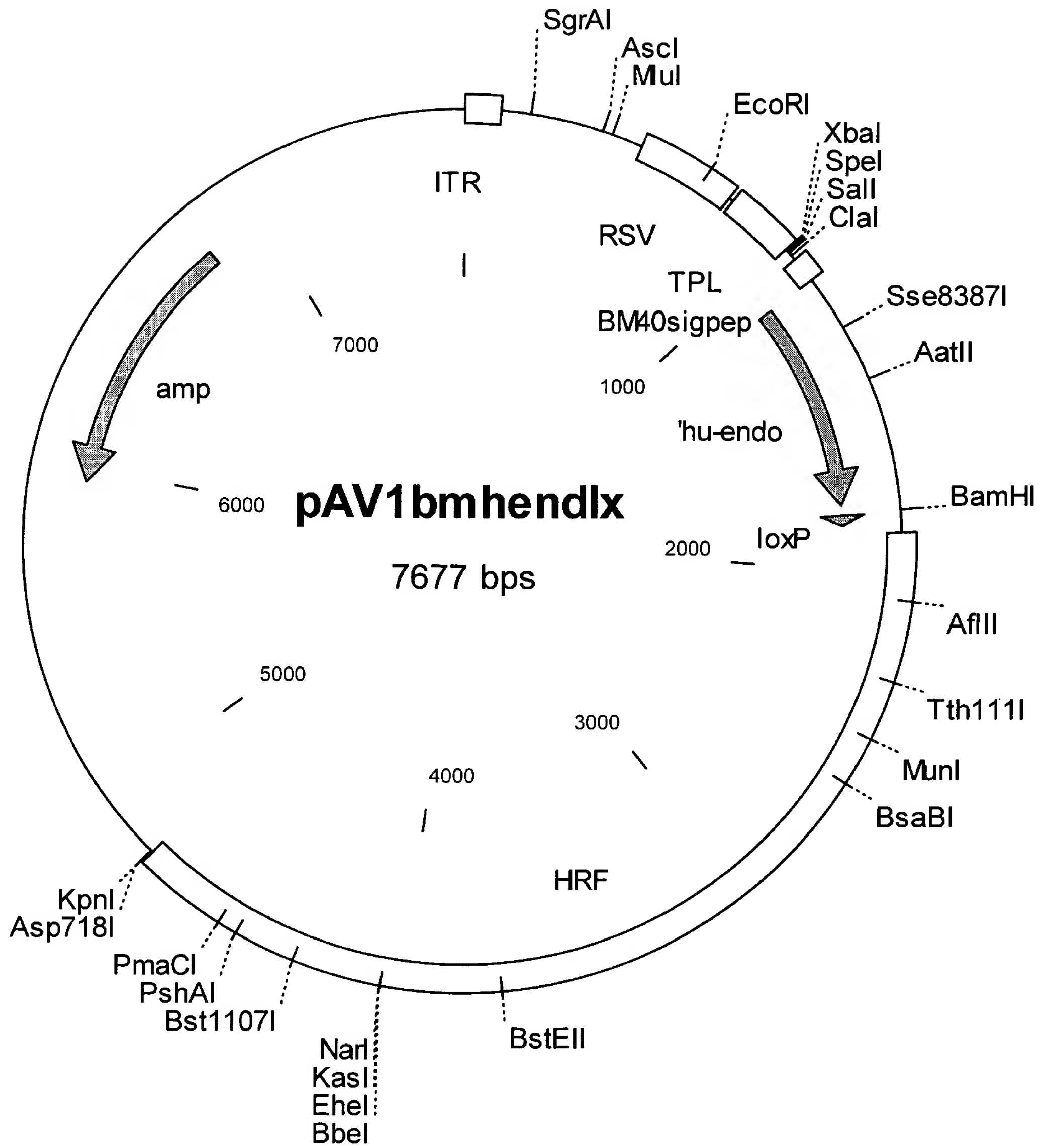


Figure 12A



1 atgagggcct ggatcttctt tctcctttgc ctggccggga
M R A W I F F L L C L A G

41 gggctctggc agcccctcag caagaagcgc tcgctcacag
R A L A A P Q Q E A L A H

81 ccaccgcgac ttccagccgg tgctccacct gggtgcgctc
S H R D F Q P V L H L V A L

121 aacagccccc tgtcaggcgg catgcggggc atccgcgggg
N S P L S G G M R G I R G

161 ccgacttcca gtgcttccag caggcgcggg ccgtggggct
A D F Q C F Q Q A R A V G

201 ggcgggcacc ttccgcgcct tectgtcctc gcgcctgcag
L A G T F R A F L S S R L Q

241 gacctgtaca gcatcgtgcg ccgtgccgac cgcgcagccg
D L Y S I V R R A D R A A

281 tgcccatcgt caacctcaag gacgagctgc tgtttcccag
V P I V N L K D E L L F P

321 ctgggaggct ctgttctcag gctctgaggg tccgctgaag
S W E A L F S G S E G P L K

361 cccggggcac gcatcttctc ctttgacggc aaggacgtcc
P G A R I F S F D G K D V

401 tgaggcaccc cacctggccc cagaagagcg tgtggcatgg
L R H P T W P Q K S V W H

441 ctcggacccc aacgggcgca ggctgaccga gagctactgt
G S D P N G R R L T E S Y C

481 gagacgtggc ggacggaggc tccctcggcc acggggccagg
E T W R T E A P S A T G Q

521 cctcctcgct gctggggggc aggctcctgg ggcagagtgc
A S S L L G G R L L G Q S

561 cgcgagctgc catcacgcct acatcgtgct ctgcattgag
A A S C H H A Y I V L C I E

601 aacagcttca tgactgcctc caagtag
N S F M T A S K -

Figure 12B

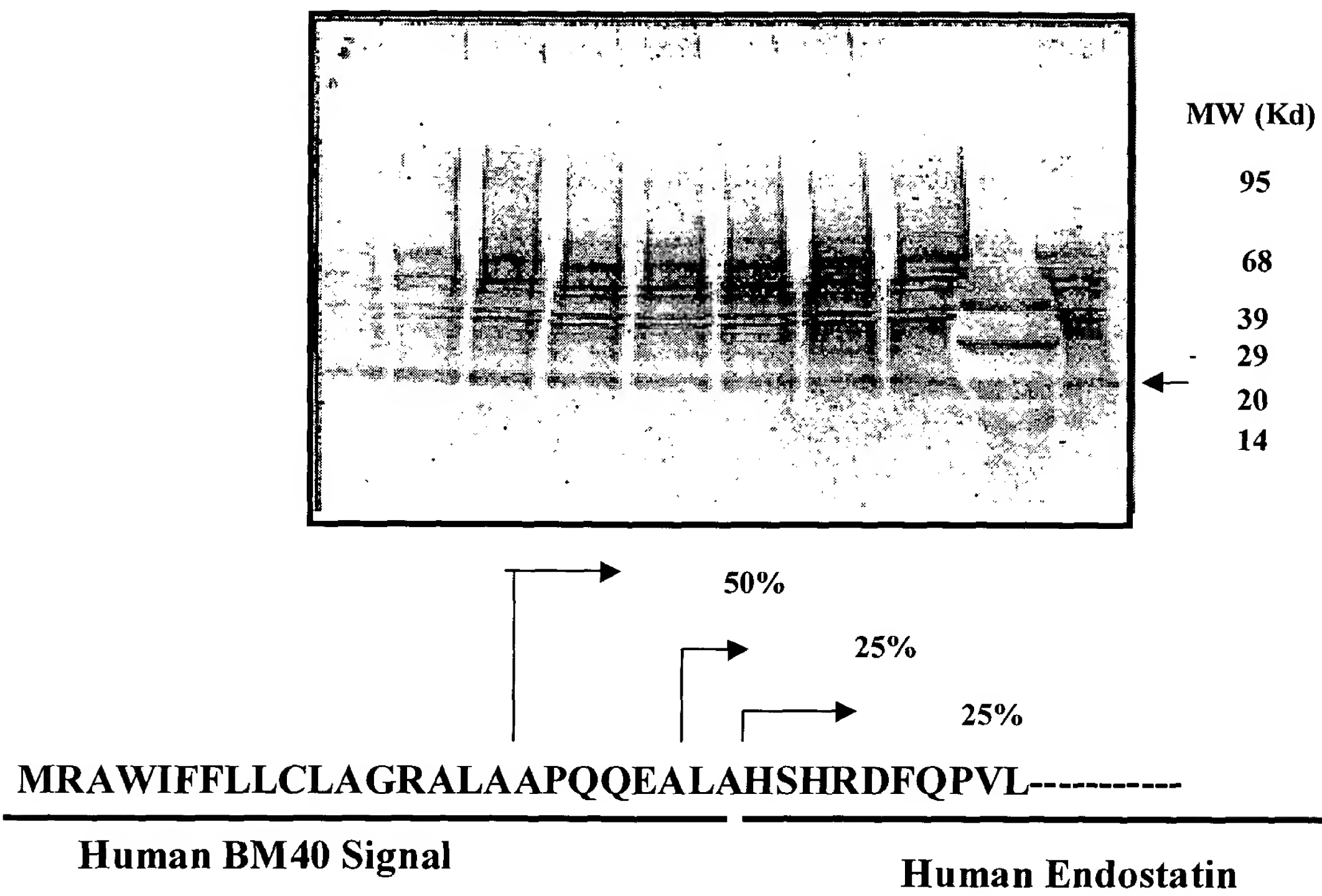


Figure 13